CLAIMS

What is claimed is:

1. A system for self-addressing one or more control units comprising:

controller means;

one or more control units;

electrical communication means extending between the controller means and the one or more control units;

signal means for requesting the control units to identify themselves;

means for each control unit to separately identify itself by receiving a number input from the a previous control unit and adding a one thereto.

2. The system of claim 1 wherein each control unit means includes a non-volatile memory in which it stores its identification number.

3. The system of claim 2 wherein each control unit has a feedback line to anohter control unit

4. A self-addressing control unit system comprising:

a plurality of control units electrically interconnected by a bus;

a control means electrically interconnected with the plurality of control units by the bus;

broadcast means associated with the controller means for broadcasting a signal to the control units along the bus;

means for each control unit to identify itself by receiving an identification number of a previous control unit, adding a one thereto, and storing that number in memory;

5. The apparatus of the claim 3 wherein the control units look to the broadcast wire for an ID number and read a block of data that follows its ID number.

6. A method for networking a plurality of control units comprising the steps of:

providing controller means;

electrically interconnecting a plurality of control units with the controller means;

sending a system start-up signal from the controller means to the plurality of control units;

sequentially self-addressing the plurality of control units by having a controlled unit look at the address of a pervious control unit of the plurality of control units, add a one to the address, and store the address in memory.